

DESCRIPTION:

PMI MODEL NUMBER PA-618-25G-6NF-30DBM-15V-SFF-2 IS A HIGH-POWER AMPLIFIER THAT OPERATES BETWEEN 6 AND 18 GHz, HAS BETWEEN 21.5 TO 24 dB OF GAIN AND HAS A TYPICAL OP1dB OF 30 dBm.

SPECIFICATIONS:

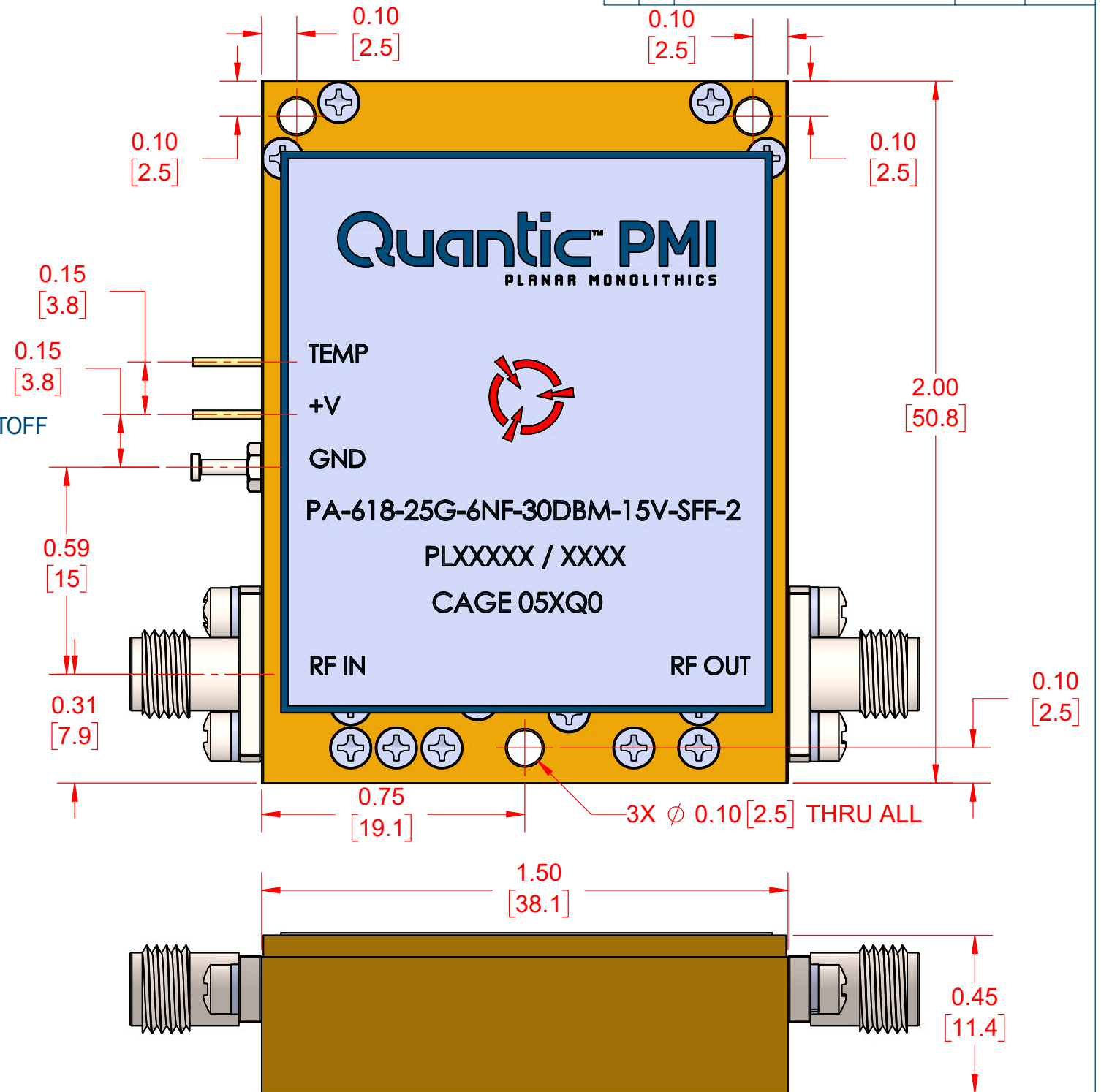
- FREQUENCY RANGE:..... 6.0 TO 18.0 GHz
- GAIN:..... 21.5 dB MIN / 24 dB MAX
- GAIN FLATNESS:..... ± 1.5 dB MAX
- VSWR IN/OUT:..... 2.0:1 MAX
- NOISE FIGURE:..... 5 dB TYP / 8.5 dB MAX
- OP1dB:..... 30 dBm TYP
- INPUT POWER:..... 27 dBm MAX
- SUPPLY VOLTAGE AND CURRENT:..... +15 VDC @ 1 A (Iq)
- DETECTION OF OVERHEAT (TEMP)(OUTPUT):..... "0" = OVERHEAT WITH AUTOMATIC SHUTOFF
"3.3V" = NORMAL OPERATION
- CONNECTORS:..... SMA FEMALE
- FINISH:..... GOLD PLATED

ENVIRONMENTAL RATINGS:

- TEMPERATURE:..... -40°C TO +85°C (OPERATING)
-55°C TO +125°C (STORAGE)
- HUMIDITY:..... MIL-STD-202, METHOD 103B COND. B
- SHOCK:..... MIL-STD-202, METHOD 213B COND. B
- VIBRATION:..... MIL-STD-202, METHOD 204B COND. B
- ALTITUDE:..... MIL-STD-202, METHOD 105C COND. B
- TEMPERATURE CYCLE:..... MIL-STD-202, METHOD 107D COND. A

NOTE: SPECIFICATIONS WILL VARY OVER TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	10/7/2025	



PMI CONFIDENTIAL AND PROPRIETARY

APPROVALS DRAWN S AZHAR REDRAWN ISSUED		DATE		TITLE OUTLINE PA-618-25G-6NF-30DBM-15V-SFF-2	
		10/7/2025			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± 0.02 ± .XXX ± 0.01		SIZE	FSCM NO.	DWG NO.	REV.
		B	05XQ0	27053440	A1
		SCALE 2.5:1			SHEET 1 OF 1

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PLANAR MONOLITHICS

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